



# 2015

## DRIVE YOUR COUNTY TO THE TOP TEN:

Accelerating Action Towards Improving County Health

## Lincoln County

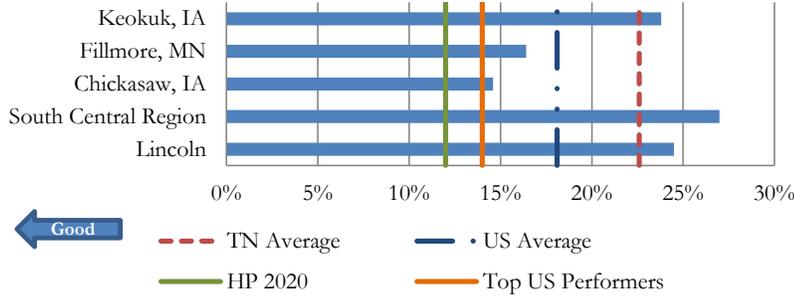




Demographics

<b>Population:</b>	33,633	<b>&lt;18 YOA:</b>	22.82%	<b>65+ YOA:</b>	17.79%	<b>% Rural:</b>	72.49%
<b>Unemployment:</b>	5.78%	<b>% Females:</b>	51.06%	<b>% Males:</b>	48.94%	<b>Graduation Rate:</b>	93.00
<b>Single parent households:</b>	33.19%	<b>MHI:</b>	\$41,453				

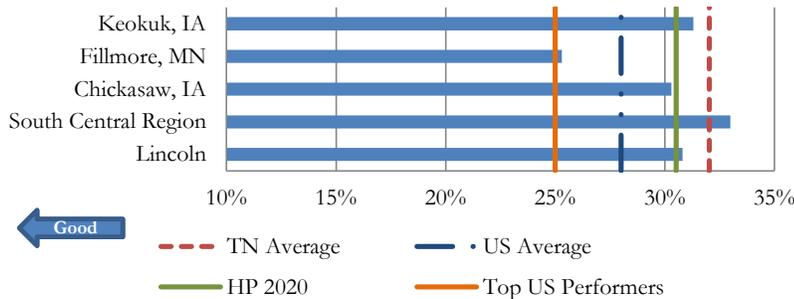
### Adult Smoking



### Top Third

Measure	Value
Drinking Water Violations	0.00%
Unemployment	5.78%
Diabetic Monitoring	89.54%
Uninsured	15.19%
Income Inequality	4.17
Severe Housing Problems	11.43%
Food Environment Index	7.70
Alcohol-Impaired Driving Deaths	21.95%
Mammography Screening	63.83%
Primary Care Physicians	1595:1

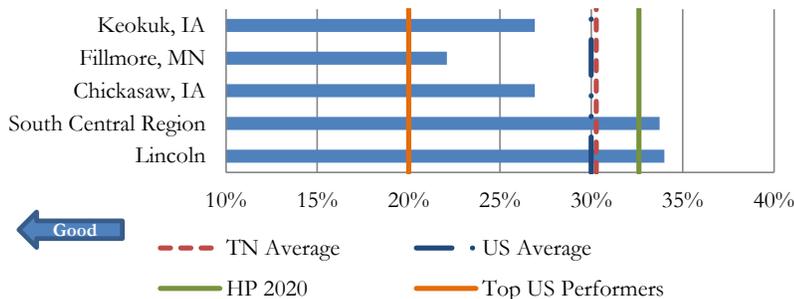
### Adult Obesity



### Middle Third

Measure	Value
Air Pollution - Particulate Matter	13.49
Adult Smoking	24.50%
Some College	47.71%
Injury Deaths	86.53
Premature Death	9,766.74
Dentists	3363:1
Mental Health Providers	2587:1
Poor or Fair Health	23.20%
Access to Exercise Opportunities	52.15%
Driving Alone to Work	84.98%

### Physical Inactivity



### Bottom Third

Measure	Value
Low Birthweight	9.81%
Violent Crime	445.75
Sexually Transmitted Infections	402.90
Long Commute - Driving Alone	41.80%

YOA: Years of Age. MHI: Median Household Income. HP 2020: Healthy People 2020 Goal. Adult Smoking: Percentage of adults who are current smokers. Source: Behavioral Risk Factor Surveillance System; 2006-2012. Adult Obesity: Percentage of adults that report a BMI of 30 or more. Source: CDC Diabetes Interactive Atlas; 2011. Physical Inactivity: Percentage of adults aged 20 and over reporting no leisure-time physical activity. Source: CDC Diabetes Interactive Atlas; 2011. Prepared by the Division of Policy, Planning and Assessment, Office of Performance Management, Tennessee Department of Health. Nashville, TN. opm.health@tn.gov or 615-741-5001.



Health Outcomes	Length of Life	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
		<p><b>Premature Death</b></p> <p>44 Lewis 9766.74 7769.75 1996.99 ↑Bad ↓Good 6,811.00 Chickasaw, IA 4524.40</p> <p><i>Years of potential life lost before age 75 per 100,000 population (age-adjusted)</i></p> <p>For every 100 people in the county, 1 people in the county need to live one year closer to age 75.</p> <p>Fillmore, MN 4519.49</p> <p>Source National Center for Health Statistics - Mortality files Year(s) 2010-2012 Keokuk, IA 7124.66</p>								
Health Factors	Quality of Life	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
		<p><b>Poor or Fair Health</b></p> <p>49 Putnam 23.20% 16.60% 6.60% ↑Bad ↓Good 12.40% Chickasaw, IA 7.20%</p> <p><i>Percentage of adults reporting fair or poor health (age-adjusted)</i></p> <p>Improve the health of 7 out of every 100 people in the county who, in general, report being in poor or fair health.</p> <p>Fillmore, MN 9.00%</p> <p>Source Behavioral Risk Factor Surveillance System Year(s) 2006-2012 Keokuk, IA 13.40%</p>								
Health Factors	Quality of Life	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
		<p><b>Poor Physical Health Days*</b></p> <p>58 Chester 5.40 3.40 2.00 ↑Bad ↓Good 3.70 Chickasaw, IA 1.30</p> <p><i>Average number of physically unhealthy days reported in past 30 days (age-adjusted)</i></p> <p>Engage people in the county on ways to reduce number of poor physical health days reported by residents by 2 days per month.</p> <p>Fillmore, MN 2.60</p> <p>Source Behavioral Risk Factor Surveillance System Year(s) 2006-2012 Keokuk, IA 2.00</p>								
Health Factors	Quality of Life	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
		<p><b>Poor Mental Health Days</b></p> <p>51 Henderson 4.10 2.80 1.30 ↑Bad ↓Good 3.50 Chickasaw, IA 1.90</p> <p><i>Average number of mentally unhealthy days reported in past 30 days (age-adjusted)</i></p> <p>Engage people in the county on ways to reduce number of poor physical health days reported by residents by 2 days per month.</p> <p>Fillmore, MN 1.60</p> <p>Source Behavioral Risk Factor Surveillance System Year(s) 2006-2012 Keokuk, IA NA</p>								
Health Factors	Quality of Life	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
		<p><b>Low Birthweight</b></p> <p>78 Lewis 9.81% 7.29% 2.52% ↑Bad ↓Good 8.10% Chickasaw, IA 4.31%</p> <p><i>Percentage of live births with low birthweight (&lt; 2500 grams)</i></p> <p>Reduce the number of low birth weight babies by 3 for every 100 live births.</p> <p>Fillmore, MN 5.20%</p> <p>Source National Center for Health Statistics - Natality files Year(s) 2006-2012 Keokuk, IA 7.52%</p>								
Health Factors	Health Behaviors	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
		<p><b>Adult Smoking</b></p> <p>35 Knox 24.50% 18.50% 6.00% ↑Bad ↓Good 18.10% Chickasaw, IA 14.60%</p> <p><i>Percentage of adults who are current smokers</i></p> <p>Get 25 out of every 100 current adult smokers in the county to quit smoking.</p> <p>Fillmore, MN 16.40%</p> <p>Source Behavioral Risk Factor Surveillance System Year(s) 2006-2012 Keokuk, IA 23.80%</p>								
Health Factors	Health Behaviors	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
		<p><b>Adult Obesity</b></p> <p>26 Hamilton 30.80% 29.10% 1.70% ↑Bad ↓Good 28.00% Chickasaw, IA 30.30%</p> <p><i>Percentage of adults that report a BMI of 30 or more</i></p> <p>Get 6 out of every 100 current obese adults in the county to reduce their BMI below 30.</p> <p>Fillmore, MN 25.30%</p> <p>Source CDC Diabetes Interactive Atlas Year(s) 2011 Keokuk, IA 31.30%</p>								
Health Factors	Health Behaviors	Rank	1st Ranked	Value	1st Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
		<p><b>Food Environment Index</b></p> <p>17 Williamson 7.70 8.9 1.2 ↑Good ↓Bad 7.60 Chickasaw, IA 8.10</p> <p><i>Index of factors that contribute to a healthy food environment, 0 (worst) to 10 (best)</i></p> <p>Increase the county's food index score by 1.2.</p> <p>Fillmore, MN 8.90</p> <p>Source USDA Food Environment Atlas, Map the Meal Gap Year(s) 2012 Keokuk, IA 7.70</p>								

Prepared by the Division of Policy, Planning and Assessment, Office of Performance Management, Tennessee Department of Health, Nashville, TN. April 2015. [opm.health@tn.gov](mailto:opm.health@tn.gov) or 615-741-5001. The full report can be accessed at: <http://health.tn.gov/statistics/specialprojects.htm>. All data is from the University of Wisconsin Population Health Institute and Robert Wood Johnson Foundation's, 2015 *County Health Rankings and Roadmaps* report. Difference statements represent the absolute value using the following formula: ["Value" - "10th Ranked Value"]. The action statements are based on the assumption that no new additional cases occur. All rankings and action statements presented in this report must be interpreted with caution due to various limitations of each measurement. Further information with regards to the strengths and limitations of each measurement may be found by clicking the hyperlink found in the description of each measurement.

Health Factors

Health Behaviors

Physical Inactivity	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
	54	Wilson	34.00%	28.50%	5.50%	↑Bad ↓Good	30.00%	Chickasaw, IA	26.90%
<a href="#">Percentage of adults aged 20 and over reporting no leisure-time physical activity</a>	Get 17 out of every 100 currently physically inactive adults to exercise during leisure time.							Fillmore, MN	22.10%
Source	CDC Diabetes Interactive Atlas			Year(s)	2011		Keokuk, IA	26.90%	
Access to Exercise Opportunities	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
	49	Loudon	52.15%	78.50%	26.36%	↑Good ↓Bad	77.00%	Chickasaw, IA	66.40%
<a href="#">Percentage of population with adequate access to locations for physical activity</a>	Consider how to remove barriers to access exercise locations to reach an additional 26.36 percent of the county's population.							Fillmore, MN	93.88%
Source	Business Analyst, Delorme, ESRI, & US Census Tigerline Files			Year(s)	2010 & 2013		Keokuk, IA	38.29%	
Excessive Drinking	Rank	1st Ranked	Value	1st Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
	NA	Greene	NA	3.30%	NA	↑Bad ↓Good	15.00%	Chickasaw, IA	29.50%
<a href="#">Percentage of adults reporting binge or heavy drinking</a>	No information available							Fillmore, MN	18.00%
Source	Behavioral Risk Factor Surveillance System			Year(s)	2006-2012		Keokuk, IA	22.40%	
Alcohol-Impaired Driving Deaths	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
	18	McNairy	21.95%	18.75%	3.20%	↑Bad ↓Good	32.00%	Chickasaw, IA	0.00%
<a href="#">Percentage of driving deaths with alcohol involvement</a>	Reduce the number of alcohol related driving deaths by 3.2 percent.							Fillmore, MN	40.00%
Source	Fatality Analysis Reporting System			Year(s)	2009-2013		Keokuk, IA	25.00%	
Sexually Transmitted Infections	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
	68	Scott	402.90	144.30	258.60	↑Bad ↓Good	458.00	Chickasaw, IA	130.30
<a href="#">Number of newly diagnosed chlamydia cases per 100,000 population</a>	Consider ways to educate 7 out of every 10 persons self-reporting to be involved in any sexual contact to commit to using safe sex practices to prevent the infection of Chlamydia.							Fillmore, MN	144.00
Source	National Center for HIV/AIDS, Viral Hepatitis, STD, & TB Prevention			Year(s)	2012		Keokuk, IA	241.00	
Teen Births	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
	63	Putnam	55.06	37.04	18.02	↑Bad ↓Good	31.00	Chickasaw, IA	19.22
<a href="#">Teen birth rate per 1,000 female population, ages 15-19</a>	For every 100 teenage females (ages 15 to 19 years) in the county, consider ways to prevent 33 teen(s) from becoming pregnant.							Fillmore, MN	18.73
Source	National Center for Health Statistics - Natality files			Year(s)	2006-2012		Keokuk, IA	23.24	

Clinical Care

Uninsured	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
	13	Blount	15.19%	14.64%	0.55%	↑Bad ↓Good	18.00%	Chickasaw, IA	10.84%
<a href="#">Percentage of population under age 65 without health insurance</a>	Get 4 out of every 100 currently uninsured adults ages 18-64 to obtain health insurance.							Fillmore, MN	11.45%
Source	Small Area Health Insurance Estimates			Year(s)	2012		Keokuk, IA	10.94%	
Primary Care Physicians	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
	22	Anderson	1595:1	1397:1	198	↑Bad ↓Good	1,355.00	Chickasaw, IA	2455:1
<a href="#">Ratio of population to primary care physicians</a>	To reach a population-to-provider ratio at or exceeding that of the 10th ranking county, 3 primary care providers would need to be recruited to the county. More importantly, if the county's value is greater than 3,500, this county would be considered a Health Professional Shortage Area.							Fillmore, MN	4167:1
Source	Area Health Resource File/American Medical Association			Year(s)	2012		Keokuk, IA	NA	
Dentists	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
	46	Maury	3363:1	1675:1	1688	↑Bad ↓Good	1,663.00	Chickasaw, IA	2464:1
<a href="#">Ratio of population to dentists</a>	To reach a population-to-provider ratio at or exceeding that of the 10th ranking county, 11 dental care providers would need to be recruited to the county. More importantly, if the county's value is greater than 5,000, this county would be considered a Health Professional Shortage Area.							Fillmore, MN	1894:1
Source	Area Health Resource File/American Medical Association			Year(s)	2013		Keokuk, IA	5165:1	

Health Factors	Clinical Care	Mental Health Providers	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
		<a href="#">Ratio of population to mental health providers</a>	48	McNairy	2587:1	688:1	1899	↑Bad ↓Good	753	Chickasaw, IA	1760:1
To reach a population-to-provider ratio at or exceeding that of the 10th ranking county, 36 mental health providers would need to be recruited to the county. More importantly, if the county's value is greater than 30,000, this county would be considered a Health Professional Shortage Area.								Fillmore, MN	5209:1		
Source	CMS, National Provider Identification file			Year(s)	2014	Keokuk, IA	NA				
<a href="#">Number of hospital stays for ambulatory-care sensitive conditions per 1,000 Medicare enrollees</a>	Preventable Hospital Stays	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value	
	29	Marshall	77.30	58.47	18.83	↑Bad ↓Good	65.00	Chickasaw, IA	56.42		
	For every 100 Medicare enrollees, prevent 1 Medicare enrollees from being hospitalized for ambulatory-care sensitive conditions.								Fillmore, MN	31.61	
Source	Dartmouth Atlas of Health Care			Year(s)	2012	Keokuk, IA	54.53				
<a href="#">Percentage of diabetic Medicare enrollees ages 65-75 that receive HbA1c monitoring</a>	Diabetic Monitoring	Rank	5th Ranked	Value	5th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value	
	6	Sullivan	89.54%	89.89%	0.36%	↑Good ↓Bad	84.00%	Chickasaw, IA	89.09%		
	For every 100 diabetic Medicare enrollees, get 1 additional Medicare enrollees to receive HbA1c screening.								Fillmore, MN	92.20%	
Source	Dartmouth Atlas of Health Care			Year(s)	2012	Keokuk, IA	85.71%				
<a href="#">Percentage of female Medicare enrollees ages 67-69 that receive mammography screening</a>	Mammography Screening	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value	
	19	Knox	63.83%	65.71%	1.88%	↑Good ↓Bad	63.00%	Chickasaw, IA	73.30%		
	For every 100 female Medicare enrollees, get 2 additional Medicare enrollees to receive their mammography screening.								Fillmore, MN	75.19%	
Source	Dartmouth Atlas of Health Care			Year(s)	2012	Keokuk, IA	59.14%				
<a href="#">Percentage of ninth-grade cohort that graduates in four years</a>	High School Graduation	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value	
	25	Carroll	93.00%	95.32%	2.32%	↑Good ↓Bad	80.00%	Chickasaw, IA	93.42%		
	For every 100 ninth graders, assist 3 additional ninth graders to graduate within four years.								Fillmore, MN	NA	
Source	data.gov, supplemented w/ National Center for Education Statistics			Year(s)	2011-2012	Keokuk, IA	NA				
<a href="#">Percentage of adults ages 25-44 years with some post secondary education</a>	Some College	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value	
	36	Shelby	47.71%	62.09%	14.39%	↑Good ↓Bad	63.00%	Chickasaw, IA	53.88%		
	For every 100 adults between 25-44 years of age, assist 1439 additional adults to complete some coursework at the collegiate level.								Fillmore, MN	64.88%	
Source	American Community Survey			Year(s)	2009-2013	Keokuk, IA	63.93%				
<a href="#">Percentage of population ages 16 and older unemployed but seeking work</a>	Unemployment	Rank	1st Ranked	Value	1st Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value	
	2	Williamson	5.78%	5.59%	0.19%	↑Bad ↓Good	8.10%	Chickasaw, IA	4.70%		
	For every 100 persons ages 16 years and older, help 1 persons successfully find employment.								Fillmore, MN	5.01%	
Source	Bureau of Labor Statistics			Year(s)	2013	Keokuk, IA	4.90%				
<a href="#">Percentage of children under age 18 in poverty</a>	Children in Poverty	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value	
	28	Montgomery	26.70%	21.40%	5.30%	↑Bad ↓Good	23.00%	Chickasaw, IA	14.60%		
	For every 100 children (under 18 years) in poverty, help 20 children to find assistance to get out of poverty.								Fillmore, MN	16.10%	
Source	Small Area Income and Poverty Estimates			Year(s)	2013	Keokuk, IA	17.50%				
<a href="#">Ratio of household income at the 80th percentile to income at the 20th percentile</a>	Income Inequality	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value	
	13	Williamson	4.17	4.11	0.06	↑Bad ↓Good	NA	Chickasaw, IA	4.03		
	To reach a household income ratio at or below that of the 10th ranking county reduce the gap between the 80th percentile and 20th percentile by 1 household(s).								Fillmore, MN	4.03	
Source	American Community Survey			Year(s)	2009-2013	Keokuk, IA	3.70				

Health Factors

Clinical Care

Social & Economic Factors

Health Factors

Social & Economic Factors

Children in Single-Parent Households	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
	60	Cheatham	33.19%	25.43%	7.76%	↑Bad ↓Good	21.00%	Chickasaw, IA	30.29%
<a href="#">Percentage of children that live in a household headed by single parent</a>	For every 100 single parent households in the county, investigate ways to encourage 24 households to be a multi-parent household.							Fillmore, MN	22.04%
Source	American Community Survey		Year(s)		2009-2013		Keokuk, IA	23.07%	
Social Associations	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
52	Henry	10.45	16.70	6.25	↑Good ↓Bad	33.00%	Chickasaw, IA	21.99	
<a href="#">Number of membership associations per 10,000 population</a>	For every 100 people in the county, increase the number of membership associations by 1.							Fillmore, MN	35.04
Source	County Business Patterns		Year(s)		2012		Keokuk, IA	15.42	
Violent Crime	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
69	Carter	445.75	206.33	239.42	↑Bad ↓Good	387.00	Chickasaw, IA	64.02	
<a href="#">Number of reported violent crime offenses per 100,000 population</a>	For every 100 persons in the county, prevent 54 people from committing a violent crime.							Fillmore, MN	42.98
Source	Uniform Crime Reporting - FBI		Year(s)		2010-2012		Keokuk, IA	113.57	
Injury Deaths	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
40	Fayette	86.53	68.81	17.72	↑Bad ↓Good	59.00	Chickasaw, IA	59.58	
<a href="#">Number of deaths due to injury per 100,000 population</a>	For every 1,000 population consider ways to prevent 205 deaths as a result of intentional and unintentional injury.							Fillmore, MN	84.22
Source	CDC WONDER mortality data		Year(s)		2008-2012		Keokuk, IA	59.12	
Air Pollution - Particulate Matter	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
32	Greene	13.49	13.14	0.35	↑Bad ↓Good	11.10	Chickasaw, IA	11.7	
<a href="#">Average daily density of fine particulate matter in micrograms per cubic meter (PM2.5)</a>	Reduce the average daily measure of fine particulate matter by 0.35 micrograms per cubic meter (PM2.5).							Fillmore, MN	12.11
Source	CDC WONDER Environmental data		Year(s)		2011		Keokuk, IA	10.39	

Physical Environment

Drinking Water Violations	Rank	1st Ranked	Value	1st Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
1	Anderson	0.00%	0.00%	0.00%	↑Bad ↓Good	8.00%	Chickasaw, IA	0.00%	
<a href="#">Percentage of population potentially exposed to water exceeding a violation limit during the past year</a>	No Action Required							Fillmore, MN	8.06%
Source	Safe Drinking Water Information System		Year(s)		FY2013-14		Keokuk, IA	8.47%	
Severe Housing Problems	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
16	Lewis	11.43%	10.96%	0.47%	↑Bad ↓Good	19.00%	Chickasaw, IA	10.65%	
<a href="#">Percentage of households with at least 1 of 4 housing problems: overcrowding, high housing costs, or lack of kitchen or plumbing facilities</a>	For every 100 persons in the county experiencing housing problems, help 5 person(s) to find housing assistance.							Fillmore, MN	13.23%
Source	Comprehensive Housing Affordability Strategy (CHAS) data		Year(s)		2007-2011		Keokuk, IA	12.85%	
Driving Alone to Work	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
49	Davidson	84.98%	80.03%	4.95%	↑Bad ↓Good	76.00%	Chickasaw, IA	78.83%	
<a href="#">Percentage of the workforce that drives alone to work</a>	For every 100 persons that currently drive alone to work, convince 6 to carpool or take mass-transportation.							Fillmore, MN	72.01%
Source	American Community Survey		Year(s)		2009-2013		Keokuk, IA	75.91%	
Long Commute - Driving Alone	Rank	10th Ranked	Value	10th Ranked Value	Difference	Shift in Value	US Average	Peer County	Peer Value
65	Hamilton	41.80%	25.10%	16.70%	↑Bad ↓Good	34.00%	Chickasaw, IA	25.90%	
<a href="#">Among workers who commute in their car alone, the percentage that commute more than 30 minutes</a>	For every 100 persons that currently drive more than 30 minutes alone to work, convince 40 to carpool or take mass-transportation.							Fillmore, MN	39.00%
Source	American Community Survey		Year(s)		2009-2013		Keokuk, IA	33.30%	